March/April 1989 Volume 14, Number 2

A summary of recent news stories from the University of California, San Francisco

UCSF

News for You

UCSF Liver Transplant Patients Celebrate

Mikkel Aaland

Shirley Nebeker and John R. Lake, medical director of the Liver Transplant Program

Unlike many former hospital patients who would like to forget their medical experience, 30 former—and current—UCSF patients and their families gathered at Fort Mason's Officer's Club in late January to celebrate the first anniversary of UCSF's liver transplant program. The reasons for their enthusiasm were obvious—without the skill of those who staff UCSF's Liver Transplant Service, headed by Nancy Ascher, and the compassion of organ donor families, the celebrants would not have lived.

Included in that list are Shirley Nebeker of Oakland, who in February 1988 had the first liver transplant at UCSF—which also was the first procedure at a Bay Area hospital—Lynnie Garnett of Vallejo, whose transplant was complicated by a rare blood type and Andy Clark of Clackamas, Oregon who received national media attention last fall after eating poisonous mushrooms. Another special guest was 22-month old Michelle Berndt of Stockton, who is one of the youngest UCSF patients to undergo a liver transplant. During the party, each post-transplant patient received a personalized souvenir T-shirt with the front message reading "We support liver transplant."

Facing Up to Your Feelings

Facial expressions of fear, sadness, anger and disgust create the same physiological changes—and the same feelings—in people from radically different cultures, a UCSF study has found.

Researchers discovered that the fundamentalist Moslem Minangkabau inhabitants of Western Sumatra experience the same changes in skin temperature, heart rate and sweating as Americans when they display the same emotions. "We have found that it isn't just the look on the face, but the feelings inside that people share," says Paul Ekman, UCSF professor of psychology.

Such evidence is important to Ekman and his colleagues who are studying ways in which emotions are universal. What they also have discovered in this first ever cross-cultural study of its kind is that although the physiology of feelings is the same, how you show, think or talk about them is culturally-determined. "This is what distinguishes people from each other," Ekman adds.

The findings lend support to the scientific argument that human physiological changes may be a part of our evolutionary heritage and act to prepare us for action. In previous work, Ekman demonstrated that the universal facial expressions of fear, anger, sadness, disgust and happiness are shared by all people and understood without translation from culture to culture.

And in another groundbreaking study conducted solely in the U.S., Ekman found that people will experience physiological changes when asked to make facial expressions of fear, anger, sadness and disgust even if they don't feel such emotions at the moment. Voluntary expressions of happiness are the exception, however. Putting on a happy face doesn't produce any physiological changes.

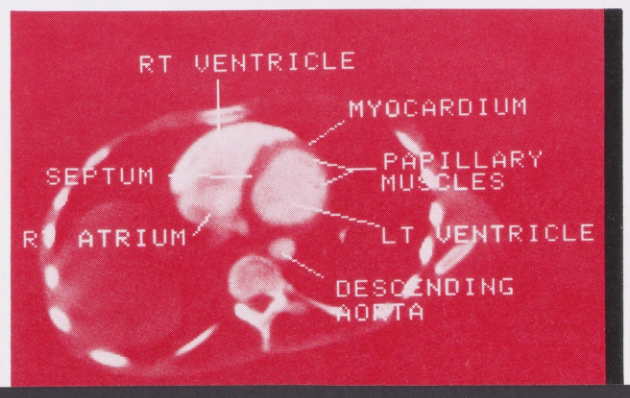
New Views of Beating Hearts Saving Lives

From "motion" pictures of a beating heart to non-exercise "stress" tests, UCSF researchers continue to improve imaging techniques used to diagnose heart problems.

A magnetic resonance imaging technique—developed at UCSF—called Cine-MRI produces a computer image of the heart at the rate of one every 20 milliseconds, or 30 to 40 images per heart beat. (A regular MRI test can take a picture only about once every two seconds.) The result is a three-dimensional movie of the entire heart in which researchers can see whether the heart is contracting and pumping blood normally.

Cine-CT—also developed at UCSF—is another high speed imaging technique that uses X-rays to take cross-sectional pictures of the body at the rate of one every 50 milliseconds. A complete view of the heart takes only 30 seconds to produce, giving researchers an unblurred picture of the contracting heart muscle—and an immediate fix on those areas not functioning adequately. Cine-CT seems particularly effective in diagnosing right ventricular tachycardia, a heart disorder which causes palpitations that can result in sudden death.

And in those patients too frail or too ill to have their hearts tested by the usual method of exercise and heart-response measurement, UCSF researchers have found that a nuclear medicine imaging technique called persantine thallium—or P-Thal—can help predict future heart problems. It does so because the drug persantine dilates the heart's blood vessels, while thallium gives off gamma rays that are picked up by a standard scanning camera. The resulting image reveals areas of the heart where there is inadequate blood flow.



This cine-CT scan helped cardiologists analyze the function of a patient's left ventricle.

In Brief

Lung Biology Center Opens

The nation's first research center devoted to the study of lung injury and repair has opened at UCSF-affiliated San Francisco General Hospital.

Scientists at the new $1.4 million Lung Biology Research Center are applying the tools of cellular and molecular biology to study chemical and physical agents in the environment, including pollutants, cigarette smoke, pollen and germs, to better understand various lung diseases and how to prevent them.

"We recruited the best lung scientists in the country," says Dean Sheppard, director of the Center. He refers to Robert Pytela from the Basel Institute of Immunology in Switzerland, and William J. Welch from Cold Spring Harbor Laboratory in New York.

Lung disease kills nearly 250,000 people annually. In 1987, treatment of lung disease cost this country $44 billion. That same year, American industry lost some $4 billion due to absenteeism directly attributed to chronic lung disease. For more information, call 476-8580.

Shapedown Takes Shape

Shapedown, a UCSF weight management program for overweight children and adolescents, teaches young people to make basic changes in their eating and exercise habits.

For adolescents ages 14 to 18 years, call the Adolescent Medicine office at 476-2184. For children ages 6 to 13 years, call Laurel Mellin at 476-1482. Program books are available at the Millberry Union bookstore on campus.

Adolescent Unit to Reopen

Adolescent inpatient services at UCSF's Langley Porter Psychiatric Institute are expected to reopen in June. The 16-bed program has been closed since February while it undergoes redesign to improve services within existing Medi-Cal requirements.

Grief Relief

People who have lost a loved one in the past three years and who continue to grieve are encouraged to inquire about a UCSF psychiatric study. Psychotherapy on a reduced-fee basis is provided.

The study is not suitable for persons having drug, alcohol or binge-eating problems, or who suffer from serious mental disorders that have required hospitalization.

For more information, contact Patricia Lund at Langley Porter Psychiatric Institute, 476-7656.

Midwifery Program

UCSF's midwifery program has seen the birth of about 1,700 babies in its nine years of existence. Part of obstetrics services, the program has four certified nurse midwives who work in tandem with a large group of medical specialists.

Women choosing obstetric care from a midwife have access to a physician if needed and can choose analgesic or anesthesia options. For more information, call 476-3223.

More News for You

on the back page

What's happening

March/April 1989
A bimonthly calen
events at UCSF

UCSF-Laurel Heights Events

All events held at 3333 California St. Auditorium. Free parking available.

Musical Panoramas:
Just About All Jazz. The last three concerts in a series of six from UCSF Arts & Lectures. 8 p.m. $10 general; $8 UCSF faculty & staff; $7 seniors, Millberry Union members & students. Call 476-2035 for ticket information, 476-2542 for concert information.

Fri., Mar. 3
Vocalist Sheila Jordan with bassist Harvie Swartz.

Thurs., Apr. 13
Pianists Denny Zeitlin and Horace Tapscott.

Thurs., Apr. 27
Quartet Music jazz ensemble.

Community Health Talks:
A series of free lecture/discussions held on Wednesdays, 7-8:30 p.m. Call 476-3206 for further information.

Mar. 15
Behavioral Medicine: Health, Illness, Behavior & Emotions.

Apr. 12
Pain Management: New Techniques for Old Problems.

Brown Bag Lectures

All lectures are free and held on Wednesdays at noon in Rm. 300 Health Sciences West, enter through 513 Parnassus. For further information call 476-4394.

Mar. 1
A Taste of My Own Medicine. How a doctor's bout with cancer altered his view of medicine.

Mar. 8
Women's Work: Veiled & Voluminous—But Is It Valued? (Also see Women's Week Events.)

Mar. 15
Immunotherapy: A New Weapon Against Cancer. Enlisting the body's own defenses.

Mar. 22
Arthritis Treatment: 5th Century B.C. to 1989.

Mar. 29
Different Strokes. Neurological disease tells us how the brain works.

Apr. 5
Cataracts: Yesterday, Today & Tomorrow.

Apr. 12
Japanese Social & Business Customs.

Apr. 19
Medical Aspects of Surfing. From the Surfer's Medical Association.

Apr. 26
Common Foot Problems.

Special Events

Fri., Mar. 3
Mladi Wind Quintet. UCSF Arts & Lectures Chamber Music Concert. Toland Hall, 533 Parnassus. Noon.

Fri., Mar. 10
National Health Insurance in America: Can We Practice With It? Can We Practice Without It? UCSF family practitioner Steve Grumbach. Last in a series of health policy lectures sponsored by UCSF Associated Students. Toland Hall, 533 Parnassus. Noon-1 p.m.

Thurs., Apr. 6
UCSF Founders Day. Includes Faculty Research Lecturer UCSF biochemist & geneticist Ira Herskowitz. Cole Hall, 513 Parnassus. 2 p.m.

Tues., Apr. 11
Trio d'Amsterdam. Twilight concert featuring works by Haydn, Mozart & Beethoven on Baroque era instruments. Cole Hall, 513 Parnassus. 5:45 p.m. $7 general; $5 UCSF faculty & staff, seniors & Millberry Union members; $3 students. Tickets 476-2035. Concert information 476-2542.

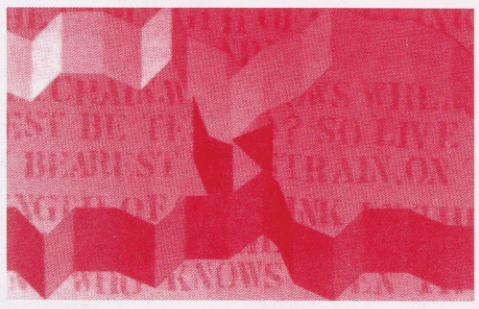
Campus Blood Drives
Personal identification is requested. Call 476-4013.

Tues., Apr. 25: Millberry Union main lounge, 500 Parnassus. 8 a.m.-3 p.m. and School of Nursing Bldg. mezzanine level (enter through 513 Parnassus). 9 a.m.-5:30 p.m.

Tues.-Wed., Apr. 25-26: UCSF Center for Educational Development, 1st flr., 1855 Folsom St. 9 a.m.-4 p.m.

Art Exhibits

Letters & Folds. Paintings by well known artist and UCSF surgeon Frank Hinman on display, Mar. 6 through May 27. UCSF Faculty/Alumni House, 745 Parnassus. 9 a.m.-5 p.m. Reception for the artist, Wed., Mar. 8, 4:30-7 p.m. Call 476-4723.



Hospitals Auxiliary Exhibits. On display for the month of March in the lobby of Moffitt/Long Hospitals, 505 Parnassus, will be black & white photography, oriental water colors, oils, color photography and watercolor landscapes. On display during April will be color photography, framed watercolors, etchings, oriental acrylics on silk and black & white photography. A portion of all proceeds benefits patients at the Medical Center at UCSF. To purchase or reserve work, visit the Auxiliary Office, Rm. 182, Moffitt Hospital, 505 Parnassus, 9 a.m.-4 p.m., or call 476-4906.

Recreation & Fitness

Programs for the active and the inactive person. Over 100 classes including aerobics, weight management, body building, dance, yoga, massage, golf, tennis and much more! Spring quarter registration begins Mon., Apr. 3, for Millberry Union members, Tues., Apr. 4, for the public, at Millberry Union central desk, 500 Parnassus. For further information and a free brochure listing all classes call 476-1800.

Cole Hall Cinema

All films are shown on Thursdays & Fridays in Cole Hall, 513 Parnassus. Children under 14 $2; UCSF students, seniors, & Millberry Union members $2.50; general $3. Call 476-2571.

Thurs., Mar. 2, 5:45 & 8:15 p.m.
Fri., Mar. 3, 6:30 & 9 p.m.
Eight Men Out.

Thurs., Mar. 9, 5:45 & 8:45 p.m.
Fri., Mar. 10, 6:30 & 9:30 p.m.
Bird.

Thurs., Mar. 30, 5:45 & 8:15 p.m.
Fri., Mar. 31, 6:30 & 9 p.m.
Madame Sousatzka.

Thurs., Apr. 6, 5:45 & 8:15 p.m.
Fri., Apr. 7, 6:30 & 9 p.m.
Tequila Sunrise.

Thurs., Apr. 13, 5:45 & 8:15 p.m.
Fri., Apr. 14, 6:30 & 9 p.m.
Cry in the Dark.

Thurs., Apr. 20, 5:45 & 8:15 p.m.
Fri., Apr. 21, 6:30 & 9 p.m.
Dirty Rotten Scoundrels.

Thurs., Apr. 27, 5:45 & 8:15 p.m.
Fri., Apr. 28, 6:30 & 9 p.m.
The Accused.

Women's Week

UCSF commemorates International Women's Day with a week of noontime events. For more information call UCSF Women's Resource Center, 476-5836.

Mon., Mar. 6
Sister, Can I Speak for You? One-woman show by Dianne Oyama Dixon of the African American Drama Company. Cole Hall, 513 Parnassus.

Tues, Mar. 7
Work Around the Clock: Women at Home, in the Workplace, in the World. Dolores Huerta, vice president, United Farm Workers. Cole Hall, 513 Parnassus.

Wed., Mar. 8
Women's Work: Veiled & Voluminous—But Is It Valued? Afaf Meleis, UCSF professor, nursing. Rm. 300 Health Sciences West, enter through 513 Parnassus.

Thurs., Mar. 9
Women Poets. Bolinas poet Joanne Kyger & UCSF students, staff & faculty. Toland Hall, 533 Parnassus.

Fri., Mar. 10
Working Women & Sex. UCSF social worker Linda Alperstein. Rm. 517 Nursing Bldg., enter through 513 Parnassus.

Women's Programs

Series of noontime events for women. For locations & further information call UCSF Women's Resource Center, 476-5836.

Tues., Mar. 21
Becoming Barbie: Tales of an Underground Beauty Queen. 1988 Miss Santa Cruz County Michelle J. Anderson.

Thurs., Apr. 13
Asian Women's Images in Art & the Media. Poet Mitsuye Yamada.

Thurs., Apr. 20
Current Issues in Sex Work. Priscilla Alexander & Nina Hartley.

Volunteer Orientation

Tuesday programs to acquaint new & prospective volunteers with opportunities available in the Medical Center at UCSF. For further information call 476-1196.

Mar. 7
Rm. 336 Health Sciences East. Enter through 513 Parnassus. 1-3 p.m.

Mar. 21
Rm. 213 Clinical Sciences building. 521 Parnassus. 6-8 p.m.

Apr. 4
Rm. 169 Moffitt Hospital. 505 Parnassus. 6-8 p.m.

Apr. 18
Rm. 191 Long Hospital. 505 Parnassus.

Personal Safety Programs

Tues., Mar. 21. 6-9 p.m.
Sat., Apr. 22. 9 a.m.-noon.
Tear Gas Certification Class. Laguna Honda School Conference Rm., 1350-7th Ave. $12. Pre-registration required. Call 476-5683.

Sat., Apr. 1, 8 & 15
Self-Defense Classes for Children & Adolescents. Three-part classes held at UCSF Marilyn Reed Lucia Child Care Study Center, 610 Parnassus. Ages 7-10: 10 a.m.-noon. Ages 11-14: 1-3 p.m. $30. Call 476-5222.

Thurs.-Fri., Apr. 27-28
Special Film Showing: The Accused. Cole Hall, 513 Parnassus. (For time and ticket information see Cole Hall Cinema.)

Outdoors Unlimited

Outdoor adventures and classes for the neighborhood and campus community. This seasons activities include cross country ski trips, whitewater rafting, kayaking, boardsailing, city walking tours and the annual Fantastic End-of-Season Ski Sale. Outdoors Unlimited office is located on Parnassus Ave., street level in the University Hospital Bldg. between 3rd and 4th Ave. Sign up for activities Monday & Friday, 11:30 a.m.-1:30 p.m. & 5-7 p.m.; Tuesday-Thursday, 11:30 a.m.-1:30 p.m. & 4-6 p.m. For further information and a free brochure listing all events call 476-2078.

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Community Health Talks

A series of free lecture/discussions held on Thursdays, 7-8:30 p.m. in Rm. 302 Health Sciences West, enter through 513 Parnassus. Free parking available. Call 476-3206 for further information.

Mar. 30
Talking with Teens about Sex & Its Consequences: Sexually Transmitted Diseases, AIDS & Pregnancy.

Apr. 6
Vision Care in the 1990's—Progress in the Diagnosis & Management of Blinding Eye Disease.

Senior Health Talks

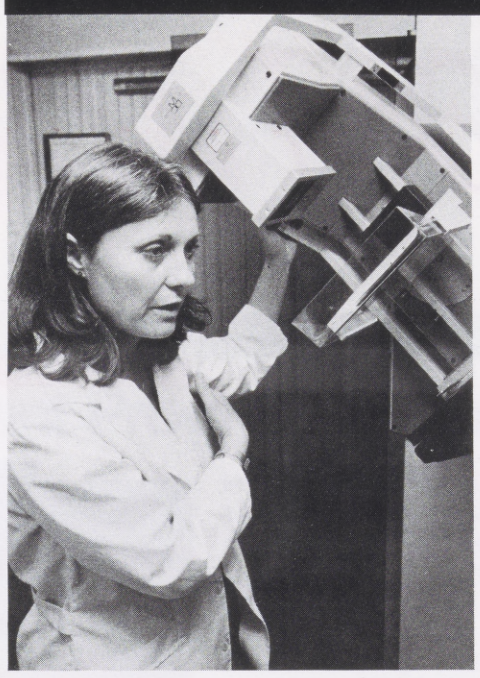
Free lectures by UCSF staff geared to senior citizens. For further information call 476-3206.

Thurs., Mar. 2
Biotechnology & Its Impact on Our Health. Search for Wisdom, St. Mary's Hall, 2255 Hayes St. 10:15 a.m.

Fri., Mar. 3
Hypertension. Ocean/Mission/Ingleside Senior Center, 400 Randolph. 1 p.m.

Thurs., Mar. 9
Communication with Your MD. Noe Valley Senior Center. 1021 Sanchez. 12:30 p.m.

Thurs., Mar. 9
Diet & Nutrition. Bethany Center, 580 Capp St. 1 p.m.



Low Vision Programs

Saturday events for the blind and visually impaired at the UCSF Clinical Eye Research Center, 374 Parnassus, 11 a.m.-1 p.m. For more information call Frances Neer at 626-5313.

Mar. 4
Blind Babies & Blind Children: Their Education & Place in the World.

Mar. 18
Brain Busters & Problem Solving: Anything You Ever Wanted to Know & Were Ashamed to Ask About.

Mar. 25
SF Bay Model. Tour of Sausalito's working model of San Francisco Bay. Call 626-5313 for reservations.

Apr. 15
Legislation & the Rights of Handicapped Persons.

Apr. 29
Barbecue Picnic. Sponsored by SF Recreation & Parks Department.

Breast Cancer Screening

Women can have low-cost mammograms—x-rays to screen for breast cancer—from a mobile van that travels to convenient shopping or downtown Bay Area locations. Women need the approval of their physicians to have the mammogram. The procedure takes approximately 20 minutes and costs $50. To make an appointment call 990-0459 or 476-2193 between 9 a.m. and 3:30 p.m. The van will be at the following locations during March and April:

Mar. 6-10
UCSF-Laurel Heights. At 3333 California St., in the parking lot.

Mar. 13-17
Embarcadero. On Drumm St., between Sacramento & Clay.

Mar. 20-24
Richmond district. On 7th Ave. between Geary & Clement.

Mar. 27-31
Marina Green. In the parking lot, near Ft. Mason.

Apr. 3-7
Westlake Shopping Center. On Park Plaza Dr. near the Safeway.

Apr. 10-14
Taraval St. Between 17th & 18th Aves.

Apr. 17-21
UCSF-Laurel Heights. At 3333 California St., in the parking lot.

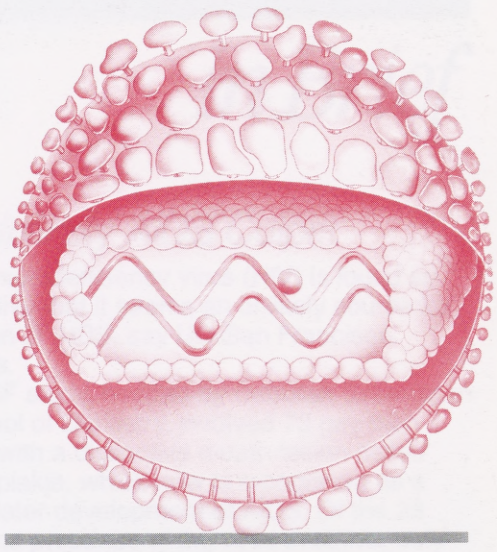
Apr. 24-28
Pacific Bell Bldg. New Montgomery St., between Mission & Howard.

CPR Training

Sat., Mar. 4 & Fri., Mar. 17
"Save A Heart" Program. Sponsored by UCSF Pulmonary Resuscitation Center. Rm. 229, Nursing Bldg. (enter through 521 Parnassus), Classes begin at 9 a.m. and last 3 to 4 hours. $20. For registration information call 476-1817.

AIDS/Mental Health Forums

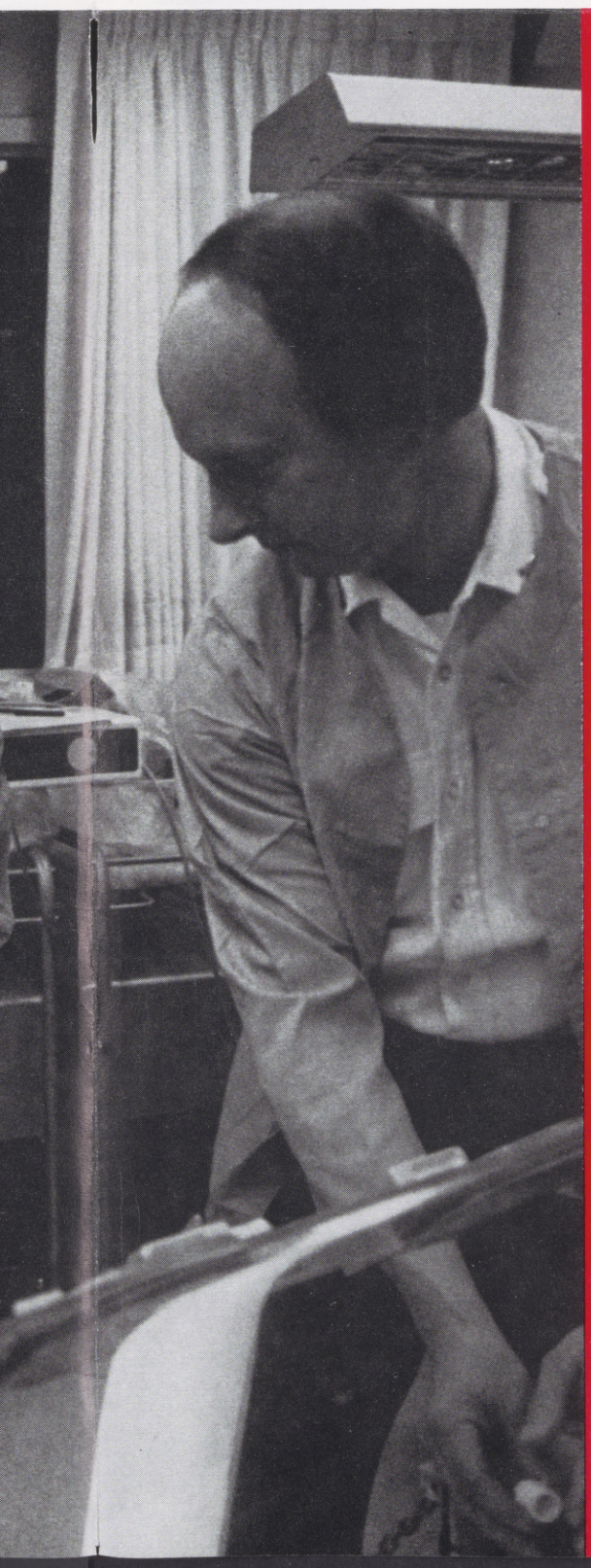
Series of programs for mental health & health care professionals sponsored by UCSF AIDS Health Project. Held first Friday of each month. Hartsook Rm., UCSF Center for Educational Development, 1855 Folsom St. 11 a.m.-1 p.m. Call 476-6430.



Campus Tours

All tours are free and take place at 1 p.m. on Tuesdays, Mar. 7, 14, 21, & 28 and Apr. 4, 11, 18 & 25. Meet in the lobby of Medical Sciences building, 513 Parnassus. For further information call 476-4394.

UCSF
University of California, San Francisco
News and Public Information Services
513 Parnassus Avenue
San Francisco, CA 94143-0462



David Powers

The plan was to bring Linda back on UCSF's flying ambulance. But then the baby came.

Born "in the caul." A liquid bubble.

In other words, born while still in the amniotic sac. It's rare. And, according to superstition, it means good luck.

Amanda Bieniek was born in the caul and she, indeed, was lucky. Lucky to be alive. She was 15 weeks premature and a mere one pound, eight ounces—about one-fifth the weight of a full-term baby. Nearly three-quarters of such babies die.

Amanda's story begins at Mad River Hospital in Arcata, California, some 270 miles north of San Francisco. Because her doctors feared a very early delivery, they had arranged for Amanda's mother, Linda Smith, to give birth at UCSF, where specialists in neonatology—the specialized care of newborns—abound.

The plan was for UCSF maternity nurse Marcia Epstein to bring Linda back to the Medical Center on the same flying ambulance—a twin engine turbo prop—that is part of the UCSF Emergency Transport Service.

Hospitals throughout Northern California rely on the transport service, which is directed by UCSF nurses, to take their sickest patients to UCSF's Moffitt/Long Hospitals and Mount Zion Medical Center. These patients could have heart problems, need neurosurgery, or be in urgent need of microsurgery after having limbs, fingers or toes severed. Or they could be preemies so tiny that they would have virtually no chance to survive without quick, highly technical treatment.

Almost immediately, Marcia's best-laid plans went awry. The drugs given Linda to stave off labor didn't work. Amanda was coming even sooner than anticipated. So soon, in fact, that Marcia delivered the baby before the doctor arrived.

The luck of being born in the caul saved Amanda from a trauma common to premature infants—internal head bleeding. Many preemies simply are too fragile to withstand safe passage through the birth canal. But Amanda's head was cushioned during the journey.

More luck—two of the Medical Center's nurse educators happened to be at Mad River Hospital that afternoon conducting a training session. Neonatal outreach educator Lila Taram stabilized the newborn while awaiting the arrival, aboard another emergency transport plane, of the two neonatal nurses who would take Amanda to UCSF.

UCSF nurse practitioner Jean Reimer and registered nurse T.J. Hagen brought with them on the plane an incubator made especially for neonatal transports. The ancillary equipment—respirator, monitors, IV pumps, humidifier—is built in.

They also brought their expertise. Jean hooked up Amanda to the respirator, no simple feat considering that she had to insert a tube through the baby's tiny mouth, down her throat and then into the trachea. Amanda's trachea, itself a tube to convey air to the lungs, was about one centimeter wide. Slightly thicker than a straw.

On the trip back to UCSF's intensive care nursery, Jean and T.J. could not keep Amanda warm, a common problem with preemies, who are so small and with so little fat that they can't maintain normal body temperature. Amanda's temperature fell three degrees, a potentially dangerous drop. But like her first journey, she survived without problems.

Luck. It was with Amanda from the start. Just like the UCSF nurses.

—Marshall Krantz

March/April 1989

To Our Neighbors

Research exposes a world of feeling in the face

New views of beating hearts

Celebrating Life—
Liver Transplant Program's First Anniversary

University of California, San Francisco
513 Parnassus Avenue, San Francisco, CA 94143-0462

More News for You

Tobacco Smokeless, but Not Harmless

A UCSF School of Dentistry study of 1,109 professional baseball players including the San Francisco Giants and Oakland Athletics, confirms that smokeless tobacco can have negative oral effects. More than half of those studied were current or past users, and nearly half of those who had used snuff or chewed tobacco regularly developed lesions inside their mouths, according to UCSF epidemiologist Virginia Ernster.

David Powers

Virginia Ernster and assistant clinical professor Charles Pascal

Of all the lesions biopsied, all were benign. The researchers report that the white or yellowish lesions found in baseball players—most of whom had been using smokeless tobacco less than 10 years—would likely disappear if the players broke the habit. However, continued regular use would increase the chances of developing oral cancer.

Approximately 12 million Americans now use smokeless tobacco, some thinking mistakenly that it is a safe alternative to cigarettes. The UCSF study, which researchers hope will dispel that notion, was formally presented to a large audience at the recent American Association for the Advancement of Science (AAAS) meeting in San Francisco.

In a related study, UCSF professor of medicine Neal Benowitz reported that smokeless tobacco users not only run the risk of oral cancer, but also high blood pressure, heart disease, ulcers and cancer of the digestive system.

Balloons in the Brain Stop Strokes

An experimental technique using a tiny balloon to open constricted blood vessels is offering new hope to the thousands of patients who, each year, risk stroke from brain hemorrhage complications.

The technique, called transluminal angioplasty, involves inflating a silicone balloon—developed by UCSF researchers—attached to a hair-thin catheter. The balloon then stretches the narrowed blood vessel, restoring blood flow, before being deflated and removed.

"We found that not only did most patients improve," says radiologist and neurosurgeon Randall T. Higashida, "but once the vessels are dilated, they don't clamp down."

The UCSF team, led by Grant B. Hieshima, is one of the world leaders in the development of balloon therapy for disorders of the brain's blood vessels. In addition to transluminal angioplasty, the group is using balloons to plug brain aneurysms—weakened blood vessels that bulge and sometimes burst.

AIDS Research

Researchers at UCSF, Stanford and the University of Utah have combined forces to look for new drugs that stop the AIDS virus without affecting normal host cells.

A major focus is development of assays to screen drugs that may disrupt a process for properly reading AIDS virus genes. The research effort is one of 10 around the country sharing, for the first year, $6.4 million in funds from the National Institutes of Health.

In other AIDS research, UCSF scientists have simultaneously isolated both types of the AIDS virus, HIV-1 and HIV-2, from a patient, showing for the first time that both viruses can infect the same individual. The study indicates that HIV-infected individuals should take precautions against further infection.

Best Doctors

Three UCSF physicians were named among the 107 "best doctors for women" in the October 1988 issue of *Good Housekeeping* magazine.

They are Robert Jaffe, chairman of obstetrics/gynecology and reproductive sciences; Mitchell Golbus, director of the Reproductive Genetics Unit; and Richard Sweet, chief of service in the Department of Ob/Gyn at the UCSF-affiliated San Francisco General Hospital.

UCSF
University of California, San Francisco

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Jerome Garden